For Research Use Only

PGAM2 Polyclonal antibody

Catalog Number:25518-1-AP

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
25518-1-AP

Size:
150ul , Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000290

GeneID (NCBI):
5224

UNIPROT ID:
P15259

Full Name:
phosphoglycerate mutase 2 (muscle)

Calculated MW:
28 kDa

Observed MW:
29 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : mouse testis tissue,

Background Information

Phosphoglycerate mutase (PGAM), an important enzyme in the glycolytic pathway, catalyzes the transfer of a phosphate group between the 2 and the 3 positions of glyceric acid. The muscle-specific isoform (type M, PGAM2) of phosphoglycerate mutase (PGAM) is a housekeeping enzyme and it catalyzes the conversion of 3-phosphoglycerate into 2-phosphoglycerate in the glycolysis process to release energy. It is encoded by the Pgam2 gene. In addition, it is demonstrated that PGAM2 locates both in cytoplasm and nuclei, and takes part in the glycometabolism process of cytoplasm and nuclei(PMID: 18499067). Defects in PGAM2 are the cause of glycogen storage disease type 10 (GSD10). This antibody is specific for PGAM2.

Storage

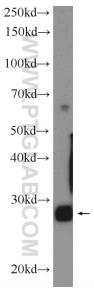
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 25518-1-AP (PGAM2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.